KRUGER

APL Series (SA)

Wall Mounted Axial Fan



Compact

Easy Installation

Safe Operation

KRUGER



Why KRUGER ?

KRUGER has been a leading innovator and manufacturer of residential, commercial and industrial fan application solutions across Asia since 1985. Today with a direct presence in over 18 regions throughout Asia; world class R&D and manufacturing facilities; KRUGER are able to offer their customers unparalleled service and support at a local level. Our customers place their trust in KRUGER.

What is KRUGER APL Propeller Fan?

The APL series is a panel mounting propeller fan designed for both supply and exhaust purposes in clean air applications with motor protection IP 54 and CL-F insulation. This fan generates a substantial airflow, is easy to install, and requires minimal maintenance.

Why use KRUGER APL Propeller Fan?

Compact

The low-profile design of the APL Series enhances airflow performances whilst minimising noise generation.

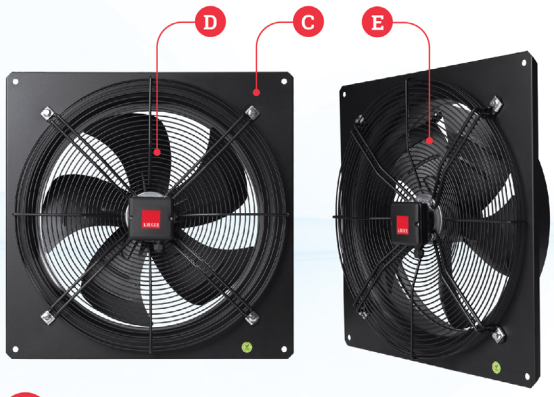
Easy Installation

Kruger APL series offers simple installation process, the square panel could be fastened directly to the wall or desired surface.

Safe Operation

All APL series fans come with thermal overload protection devices that offer safe operation.

Summary of Key Standard APL Series Specifications



A Airflow up to 12,000 CMH

B Clean air standard ventilation application, Airstream Operating Temperatures -25°C to +65°C.

C Fan panel constructed from high grade steel sheet with a black polyester paint finish.

D The "Sickle blade" steel impeller is designed for superior efficiency, delivering optimal airflow performance while maintaining minimal noise. All APL fan impellers are balanced to meet the ISO 21940 standard and is paired with external rotor motors.

E Finger proof guard protection net with a black polyester paint finish.

F Accessories such as speed controller and mounting accessories can be supplied upon request.

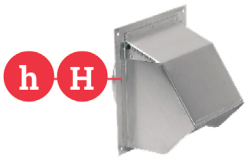
Options and Accessories

Electrical Accessories

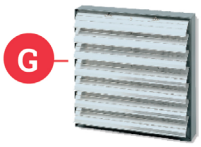


Speed Controller
(Please contact nearest Kruger for technical confirmation)

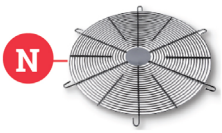
Mounting Accessories



Rain hood
(optional with Bird screen is available upon request)

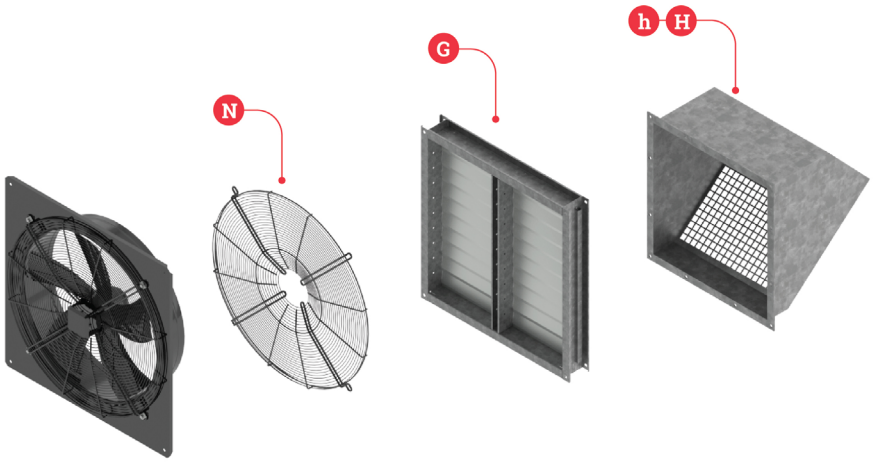


Gravity shutter
(Aluminium or Plastic Options are available upon request)



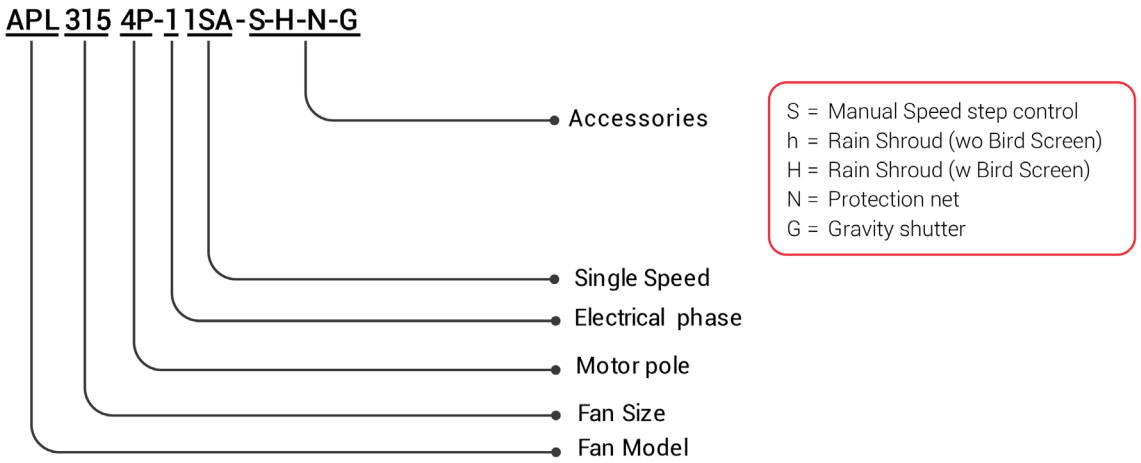
Protection net
(additional from standard)

Exploded View with Accessories



Model Number Nomenclature

Please contact your local KRUGER company office for any questions or support.



Typical Application



Mechanical Room



Hall (Multipurpose)

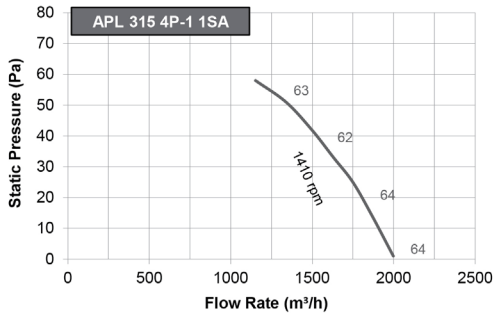
Technical Data

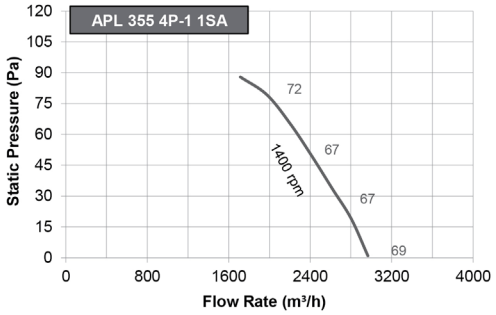
APL Series (SA) Technical data

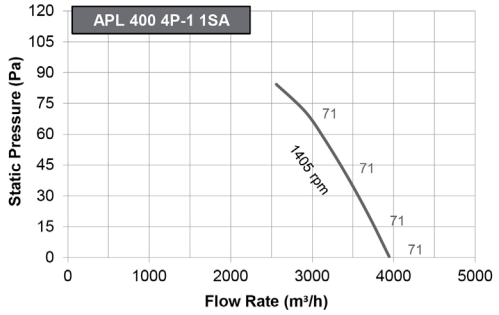
Model	Max Q (CMH)	Maximum Motor input Power (W)	Motor Protection	Motor	N° Pole	Hz	Maximum Current (A)	Insulation Class	Lp(A) at 3m free discharge (dB (A))*	Speed (RPM)	Motor Model Number
APL 315 4P-1 1SA	1998	111	IP 54	Single Phase	4	50	0.48	F	43	1410	TBA
APL 355 4P-1 1SA	2967	204	IP 54	Single Phase	4	50	0.86	F	52	1360	TBA
APL 400 4P-1 1SA	3944	234	IP 54	Single Phase	4	50	0.98	F	58	1380	TBA
APL 450 4P-1 1SA	4613	350	IP 54	Single Phase	4	50	1.47	F	54	1390	TBA
APL 500 4P-1 1SA	6602	457	IP 54	Single Phase	4	50	1.92	F	54	1370	TBA
APL 500 6P-1 1SA	4637	208	IP 54	Single Phase	6	50	0.97	F	45	950	TBA
APL 560 4P-1 1SA	8550	634	IP 54	Single Phase	4	50	2.67	F	56	1355	TBA
APL 560 6P-1 1SA	5799	331	IP 54	Single Phase	6	50	1.52	F	50	950	TBA
APL 630 4P-1 1SA	11757	958	IP 54	Single Phase	4	50	4.05	F	64	1315	TBA

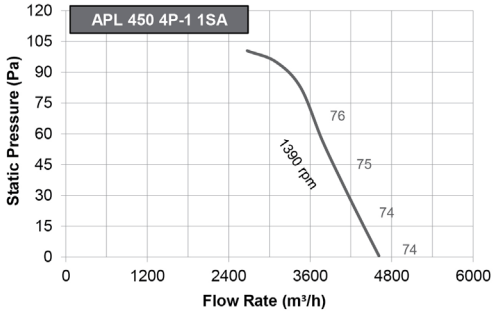
* Inlet Lp (A) sound pressure levels at 3m are measured at free discharge in spherical free field condition, inlet Lp(A) (dB(A)) levels are not licensed by AMCA International.
* Performance ratings do not include the effects of appurtenances (accessories).
* Performance shown is for installation type A - Free inlet, Free outlet.
* Speed (RPM) shown is nominal. Performance is based on actual speed of test.

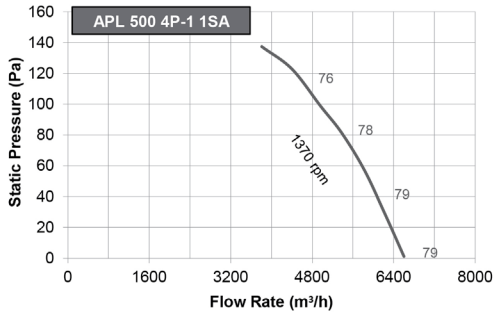
Performance Data - 50 Hz

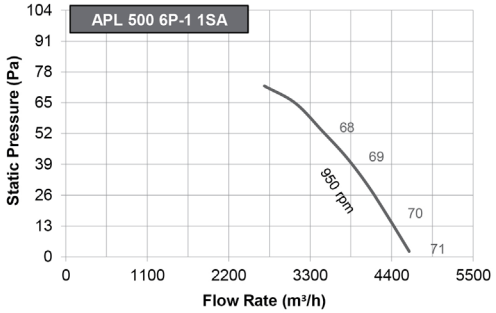


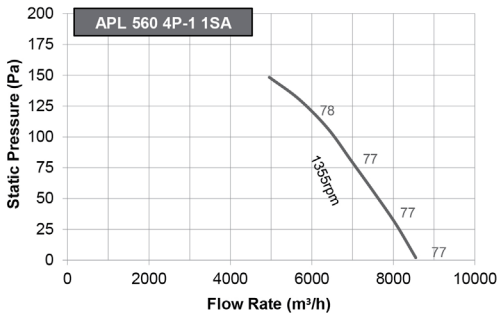


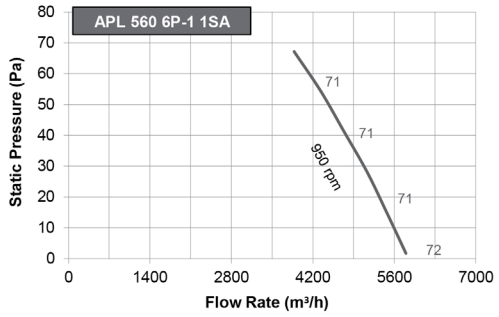


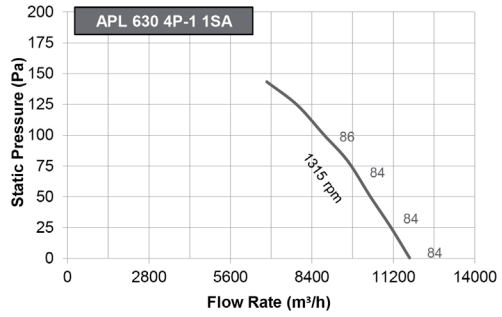






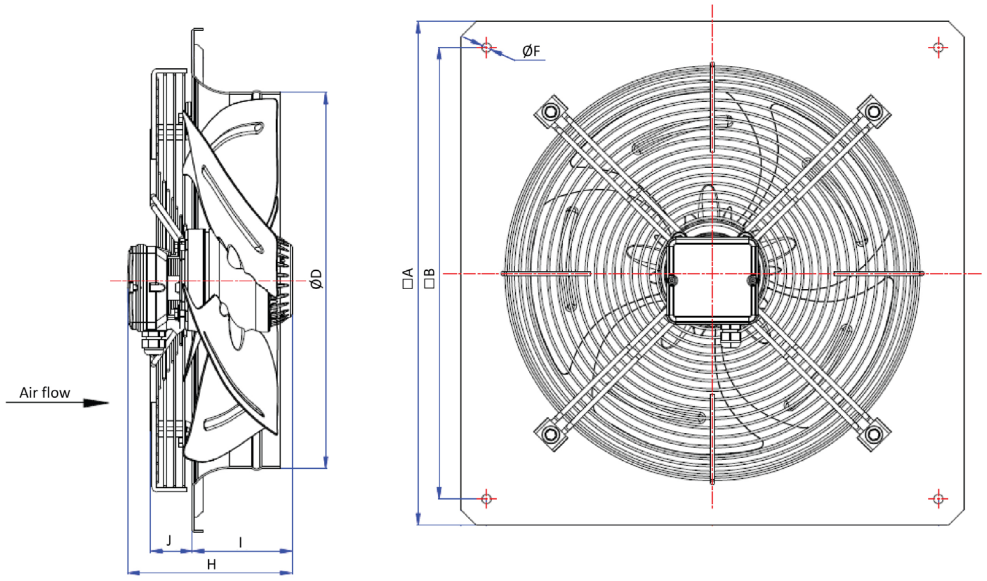






* Values shown are fan inlet Lw (A) sound power level for installation type A: free inlet, free outlet. The A-weighted sound rating shown have been calculated per AMCA International Standard 301.
* Performance shown is for installation type A – Free inlet, Free outlet.
* Performance ratings do not include the effects of appurtenances (accessories).
* Speed (RPM) shown is nominal. Performance is based on actual Speed of test.

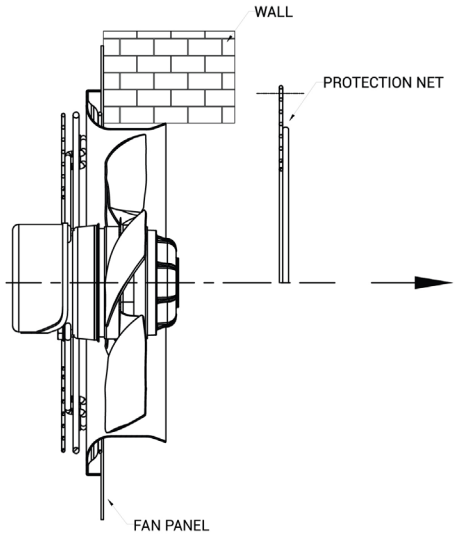
Dimension



Dimensions *(all in mm.)*

Model	□A	□B	ØD	ØF	H	I	J	Wt (kg)
APL 315 4P-1 1SA	430	380	318	9	143	80	40	6.0
APL 355 4P-1 1SA	485	435	364	9	158	96	40	6.5
APL 400 4P-1 1SA	540	490	413	9	171	115	40	8.2
APL 450 4P-1 1SA	575	535	463	11	183	123	40	10.3
APL 500 4P-1 1SA	655	615	514	11	197	120	31	15.5
APL 500 6P-1 1SA								
APL 560 4P-1 1SA	725	675	563	11	212	135	32	17.5
APL 560 6P-1 1SA								
APL 630 4P-1 1SA	805	750	648	11	221	151	32	24.0

Installation



Quick Pre-Installation Checklist

- Ensure that suitable fastener is used for each of the mounting holes in the panel.
- Ensure that the fan panel and drive components are not bent or twisted during installation.
- Fan should be installed so that any obstructions will not be within 1 Diameter of the fan inlet and outlet.
- Ensure that the fan orientation is correct for the required air flow direction.

KRUGER
Ventilation Group

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